

PTO/SB/08A (10-01)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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Substitute form 1449 A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

Application Number : 10/008,265

Filing Date: 11/05/2001

First Named Inventor: Beams

Group Art Unit: 2176

Examiner Name: n/a

Attorney Docket Number: 05222.00181

(Use as many sheets as necessary)

Sheet _____ of _____

U.S. PATENT DOCUMENTS					
Examiner Initials *	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
WAL		US-4,622,013	11/11/1986	Cherchio	
		US- 4,874,784	10/17/1989	Clancey	
		US- 4,981,766	01/02/1990	Derr, et al.	
		US- 4,931,950	06/05/1990	Isle, et al.	
		US- 4,984,077	10/16/1990	Eisen, et al.	
		US- 4,977,529	12/11/1990	Gregg, et al.	
		US- 5,002,491	03/26/1991	Abrahamson, et al.	
		US- 5,170,464	12/08/1992	Hayes, et al.	
		US- 5,189,402	02/23/1993	Naimark, et al.	
		US- 5,208,745	05/04/1993	Quentin, et al.	
		US- 5,208,898	05/04/1993	Funabashi, et al.	
		US- 5,239,617	08/24/1993	Gardner, et al.	
		US- 5,259,766	11/09/1993	Sack et al.	
		US- 5,267,865	12/07/1993	Lee, et al.	
		US- 5,310,349	05/10/1994	Daniels, et al.	
		US- 5,311,422	05/10/1994	Loftin, et al.	
		US- 5,317,688	05/31/1994	Watson, et al.	
		US- 5,326,270	07/05/1994	Ostby, et al.	
		US- 5,359,701	10/25/1994	Chiang, et al.	
		US- 5,372,507	12/13/1994	Goleh	

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WAL		EP 0 689 132 A2		12/27/95	Laffra	
		EP 0 710 942 A2		05/08/96	Siefert	
		EP 0 710 942 A2		05/08/96	Siefert	
		EP 0 798 655 A2		10/01/97	Jervis, et al.	
		WO 00/04478		01/27/00	Jonsson	
		WO 97/44766		11/27/97	Cook	
		WO 98/03953		01/29/98	Simmons	
		WO 98/25251		06/11/98	Ho	
WAL		WO 98/32109		07/23/98	De Lange	

Examiner
Signature

Wen Jan L.

Date
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9/9/04

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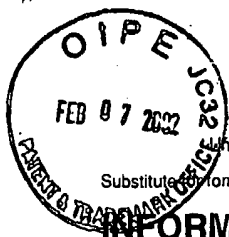
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		"Evaluating the effectiveness of feedback in SQL-060", IEEE, proc. Int. workshop IWATP, pp 143-144	
cut		"Automated Exercise Progression in Simulation-Based Training," IEEE Trans. On Systems, Man, and Cybernetics, Vol. 24(6), pp. 863-74, June 1994	
		"ACM Transactions on Information Systems," 1988 at www.acm.org/pubs/toc/Abstracts/lois/59298.html	
		The Virtual Classroom: Great Expectations. Delivering Graduate Education by Computer: A Success Story, 1996.	
		"A Special Section -- Goal Based Scenarios: A New Approach to Professional Education: Reengineering Education at Andersen Consulting," Educational Technology, Nov.-Dec. 1994	
		"Goal-Based Scenarios and the Problem of Situated Learning: A Commentary on Andersen Consulting's Design of Goal-Based Scenarios," Educational Technology, Nov.-Dec. 1994	
cut		"DDD--A Free Graphical Front-End for UNIX Debuggers," Jan. 1996, ACM Sigplan Notices, Vol. 31, No. 1, pp. 22-27	
		"Automated Training of Legal Reasoning" at http://www.bileta.ac.uk/94papers/muntjew.html	
cut		"The Virtual Learning Environment System," 28th Annual Frontiers in Education Conference, Conference Proceedings, Vol. 2, Nov. 4-7, 1998	
cut		"Developing a Design System into an Intelligent Tutoring System," Int'l J. Engr. Eud., Vol. 13(5), pp.341-46, Dec. 1997	
		"CAPTOR a model for delivering web-based intelligent tutoring system technology", IEEE Proc. DASC vol. 2, pp 5.C.4.1-5	

Examiner Signature	<i>Allen Jan L.</i>	Date Considered	<i>9/9/04</i>
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att A		US-5,395,243	03/07/1995	Lutbin, et al.	
		US- 5,441,415	08/15/1995	Lee, et al.	
		US- 5,491,743	02/13/1996	Shilo, et al.	
		US- 5,533,903	07/09/1996	Kennedy	
		US- 5,535,422	07/09/1996	Chang, et al.	
		US- 5,537,141	07/16/1996	Harper, et al.	
		US- 5,539,869	07/23/1996	Spoto, et al.	
		US- 5,566,291	10/15/1996	Boulton, et al.	
		US- 5,576,844	11/19/1996	Anderson, et al.	
		US- 5,577,186	11/19/1996	Mann II, et al.	
		US- 5,597,312	01/28/1997	Bloom, et al.	
		US- 5,616,033	04/01/1997	Kerwin	
		US- 5,644,686	07/01/1997	Hekmatpour	
		US- 5,644,727	07/01/1997	Atkins	
		US- 5,673,369	09/30/1997	Kim	
		US- 5,690,496	11/25/1997	Kennedy	
		US- 5,696,885	12/09/1997	Hekmatpour	
		US- 5,701,400	12/23/1997	Amado	
		US- 5,720,007	02/17/1998	Hekmatpour	
		US- 5,727,161	03/10/1998	Purcell, Jr.	

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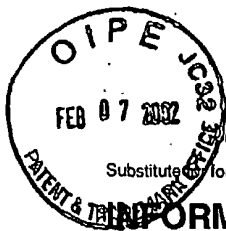
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cutl		"Bridging the Virtual and the Physical: The InterSim as a Collaborative Support Interface," Proc. Of 1997 World Conf. On Artificial Intelligence in Education, pp. 556-58, Dec. 1997	
cutl		"Task-Oriented Learning on the Web"; Innovations in Education and Training International, Vol. 36, No. 1, Feb. 1999	
		"Applications of BrainMaker Neural Network to stocks, business, medical, manufacturing" at www.catsci.com/Applications.html	
		"KBLPS Overview" at www.cgi.com/CGIWEB/KBLPS/overindex4.html	
		"Smartlaw: adapting classic expert system techniques for the legal research domain" ACM pp. 133-141	
cutl		"Interactive Multimedia Instructs the Individual," Oct. 1994, Occupational Health & Safety Vol. 63, No. 10, pp. 144-145	
		"Practical methods for automatically generating typed links" ACM Hypertext, pp. 31-41	
cutl		"Popular Theory Supporting the Use of Computer Simulation for Experiential Learning," http://www.centurionsys.com/tcl57.html , Aug. 1997	
		"Technical Report: Computer Aided Education and Training Initiative" at http://advlearn.itdci.pitt.edu/advlearn/papers/FINALREP.html	
cutl		"FRA: Teaching Financial Accounting with a Goal-Based Scenario," Intelligent Systems in Accounting, Finance and Management, Vol. 4, 1995	
		"Teaching Real-World Analysis Skills for Goal-Based Scenario," pp. 68-74	

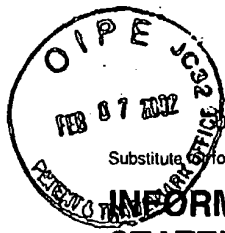
Examiner Signature	<i>Wen-Jian</i>	Date Considered	9/9/02
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WHL ↑ ↓ WHL		US-5,727,950	03/17/1998	Cook, et al.	
		US- 5,745,652	04/28/1998	Bigus	
		US- 5,772,446	06/30/1998	Rosen	
		US- 5,779,468	07/14/1998	Ho, et al.	
		US- 5,788,508	08/04/1998	Lee, et al.	
		US- 5,791,907	08/11/1998	Ramshaw, et al.	
		US- 5,799,151	08/25/1998	Hoffer	
		US- 5,799,292	08/25/1998	Hekmatpour	
		US- 5,806,056	09/08/1998	Hekmatpour	
		US- 5,810,747	09/22/1998	Brudney, et al.	
		US- 5,822,745	10/13/1998	Hekmatpour	
		US- 5,823,781	10/20/1998	Hitchcock, et al.	
		US- 5,823,788	10/20/1998	Lemelson, et al.	
		US- 5,835,683	11/10/1998	Corella, et al.	
		US- 5,868,575	02/09/1999	Kuczewski	
		US- 5,870,768	02/09/1999	Hekmatpour	
		US- 5,875,437	02/23/1999	Aikins	
		US- 5,889,845	03/30/1999	Staples, et al.	
		US- 5,893,123	04/06/1999	Tuinenga	
		US- 5,911,581	06/15/1999	Knight Jeremy, et al.	

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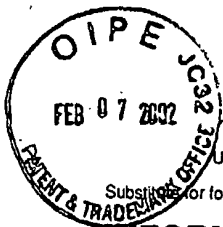
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		"Artificial Intelligence and Mathematics Education" at http://www.rand.org/hot/mcarthur/Papers/aied.html	
		"The Roles of Artificial Intelligence in Education: Current Progress and Future Prospects" at http://www.nib.unicamp.br/recursos...education/intelligent-tutoring.html	
		"WITS: A Reusable Architecture for a VR-Based ITS" at http://advlearn.irc.pitt.edu/its-arch/papers/tam.html	
		"Brainmaker" at www.nplc.on.ca/~echoscan/28-04.htm	
		"News for ESAP" at www.hops.wharton.upenn.edu/~esap/news.html	
WAF		"Learning with Computers," May 1994, Accountancy Vol. 113, No. 1209, pp. 60-64	
WAF		"User-Sensitive Multimedia Presentation System," March 1, 1996, Vol. 39, No. 3, pp. 93-94	
WAF		"Microworlds and Simuworlds: Practice Fields for the Learning Organization," Spring 1996, Organizational Dynamics Vol. 24, No. 4, pp. 36-49	
WAF		"What are Intelligent Coaching Systems and Why are they (in)evitable?" IEEE Colloquium on Artificial Intelligence in Educational Software, pp. 2/1-2/5, June 1998	
WAF		"Development of an Integrated Simulator and Real Time Plant Information System," Advances in Operational Safety of Nuclear Power Plants, Proceedings of an International Symposium 1996.	

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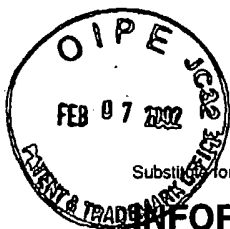
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WBE		"A Goal-Centered Architecture for Intelligent Tutoring Systems," Proc. Of 7th World Conf. On Artificial Intelligence in Education, pp. 307-314, Aug. 1995	
		"Smart Avatars in JackMOO," Proceedings of the 1999 IEEE Conference on Virtual Reality, pp. 156-63	
		"Embedding an Intelligent Tutoring System in a Business Gaming-Simulation Environment," Proc. Of the 1994 Winter Simulation Conference, pp. 1399-1406, Dec. 1994	
		"Evaluating Intelligent Tutoring with Gaming Simulations," Proc. Of the 1995 Winter Simulation Conf., pp. 1376-83, Dec. 1995	
		"Persistent Issues in the Application of Virtual Environment Systems to Training," August 1996, Proceedings. Third Annual Symposium on Human Interaction with Complex Systems, IEEE, pp. 124-32.	
		"The Lisp Tutor," Byte, pp. 159-75, Apr. 1985	
		"Pedagogical, natural language and knowledge engineering techniques in SOPHIE I, II, and III," in Intelligent Tutoring Systems, D. Sleeman & J.S. Brown eds., pp. 227-82, Dec. 1982	
WBE		Interactive Multimedia Distance Learning (IMDL): The Prototype of the Virtual Classroom, 1994.	
WBE		"Understanding Organizational Dynamics of IT-Enabled Change: A Multipedia Simulation Approach," Winter 1997/1998, Journal of Management Information Systems: JMISS, Vol. 14, No. 3, pp. 109-140.	
WBE		"Intelligent Computer-Aided Instruction: A Survey Organized Around System Components," Jan. 1989, IEEE Inc., New York, Vol. 49, No. 1, pp. 40-57.	

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Application Number : 10/008,265

Filing Date: 11/05/2001
First Named Inventor: Beams
Group Art Unit: 2176
Examiner Name: n/a
Attorney Docket Number: 05222.00181

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[illegible]

Examiner Signature	<i>Walter J. L.</i>	Date Considered	<i>9/9/04</i>
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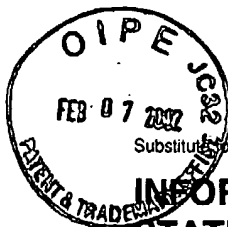
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³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
att		"Conducting and Supporting a Goal-Based Scenario Learning Environment," Educational Technology, Nov.-Dec. 1994	
		"Interface design issue for advising giving expert systems," Comm. Of the ACM, vol 30, no. 1, pp 14-31	
att		"An Object-Oriented Architecture for Evolutional Development of Interactive Learning Environment with Coached Problem-Solving," Proc. Of 1997 World Conf. On Artificial Intelligence in Education, pp. 592-94, Dec. 1997	
↑ ↓		"Architecture of an Intelligent Tutoring System on the WWW," Proc. Of 1997 World Conf. On Artificial Intelligence in Education, pp. 39-46 Dec. 1997	
		"Socialized Collaborative Learning in Multimedia Virtual Worlds" URL: http://www.iscs.nus.edu.sg/labs/learning/els/VRML.html ; viewed Feb. 16, 1999	
		Flexible Learning, Feb. 1998, Credit Union Management Vol. 21, No. 2, pp. 32-33+	
		"Teaching Through Case-Based Reasoning: An ITS Engine Applied to Business Communication," Proc. Of 1997 World Conf. On Artificial Intelligence in Education, pp. 111-18 Dec. 1997	
att		"Train with Less Pain," Oct. 13, 1997, Informationweek No. 652, pp. 150-154	
		"Virtual Learning: A Revolutionary Approach to Building a Highly Skilled Workforce," Autumn 1998, Personnel Psychology Vol. 51, No. 3, pp. 767-71	
		"Intelligent Tutoring Systems: An Overview" at http://www.intellectbooks.com/authors/lawler/its.htm	

Examiner Signature	<i>Allen Jan L.</i>	Date Considered	<i>2/9/02</i>
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WHL		"No More Boring CPE," July 1997, Accounting Technology, pp. 27-35	
WHL		Computer Dictionary, 1997, pp. 264, 276, 383, 446, 462, 507.	
		"Rule-Based Programming with OPS5" at www.mkp.com/books_catalog/O-934010-51-6.asp	
WHL		"From Computer-Assisted Instruction to Intelligent Tutoring Systems," J. Artificial Intelligence in Education, V. 2(3), pp. 39-50, Dec. 1997	
		"MUSE U.S. Patents" at www.muser.com/html/patents.html	
WHL		"Distributed Intelligent Tutoring on the Web," Proc. Of 1997 World Conf. On Artificial Intelligence in Education, pp. 482-89, Dec. 1997	
↑		"RadTutor: The Theoretical and Empirical Basis for the Design of a Mammography Interpretation Tutor," Proc. Of 1997 World Conf. On Artificial Intelligence in Education, pp. 386-393 Dec. 1997	
		"Using the Wizard of Oz Technique to Prototype a Scenario-Based Simulation Tutor," Proc. Of 1997 World Conf. On Artificial Intelligence in Education, pp. 458-65, Dec. 1997	
↓		"Using Planning Techniques to Provide Feedback in Interactive Learning Environments," Proc. Sixth Int'l Conf. On Tools with Artificial Intelligence," pp. 700-03, Nov. 1994	
WHL		"An Electronic Infrastructure for a Virtual University," Communications of the ACM, Vol. 40, No. 9, Sep. 1997.	
		"Simulation Technology and Parallelism in Learning Environments" at http://www.to.utwente.nl/prj/min/Book/chapter1.htm	

Examiner Signature	<i>WHL</i>	Date Considered	3/9/02
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WAF		"Engines for Education" URL: http://www.ils.nwu.edu/~e_for_e/nodes/I-M-INTRO-ZOOMER-pg.html ; viewed Feb. 15, 1999.	
		"FinPlan System" at www.rfae.org.ru/FinPlan/	
WAF		"Enhancing Simulation Education with Intelligent Tutoring Systems," Proc. Of the 1996 Winter Simulation Conf., pp. 875-80, Dec. 1996	
		"Computer Aided Instruction for Statistics: A Knowledge-Based Systems Approach," Int'l J. of Computers in Adult Education and Training, Vol. 5(1), pp. 3-14.	
WAF		"Teaching with the internet" 1998, JAI Press Inc., USA. Vol no. 3, pp 217-222	
WAF		"Development of a Simulation-Based Intelligent Tutoring System for Assisting PID Control Learning," Jan. 1994, IEICE Transactions on Information and Systems, E77-D, No. 1, Tokyo Japan, pp. 108-17.	
		"Authoring Intelligent Tutoring Systems: An Analysis of the State of the Art" at http://www.cs.umass.edu/~tmurray/papers/ATSummary/AuthTools.html	
WAF		Multimedia Training "Get Lemonade, Not a Lemon!" June 1997, Journal for Quality and Participation vol. 20, No. 3, pp. 22-28	
		"SMART Evaluation: Cognitive Diagnosis, Mastery Learning & Remediation," Proc. Of 7th World Conf. On Artificial Intelligence in Education, pp. 123-30, Aug. 1995	
		"Decision Pro3.0" at www.vanguardsw.com/	

Examiner Signature	WAF - Jan L.	Date Considered	9/9/04
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WTR		"A Fuzzy Logic-Based Intelligent Tutoring System," Information Processing 92, Vol. II, pp. 66-72, Dec. 1992.	
WTR		"The SimQuest Authoring System for Simulation-Based Discovery Learning," Proc. Of 1997 World Conf. On Artificial Intelligence in Education, pp. 79-86, Dec. 1997	
WTR		"A Browser-Based System to Support & Deliver DE," 28th Annual Frontiers in Education Conference, Conference Proceedings, Vol. 1, Nov. 4-7, 1998	
WTR		"Goal-Based Scenarios and Business Training: A Conversation with Roger C. Schank," Educational Technology, Nov.-Dec. 1994	
		"Automate Your Business Plan" at www.business-plan.com/eoreen2.html	
		"Kiplinger TaxCut Press Releases" at http://www.taxcut.com/taxcut/98press_releases/pr98_nowshipping.html	
		"TurboTax Deluxe Product Information" at http://www.intuit.com/turbotax/prodinfo/ttdlx.html	
WTR		"Why Should the Teens Have All the Best Games? Management Skill with Oil, Health, Housing Games," Computergram Int'l, June 176, 1996	
WTR		"Template Software Business Simulator, Chapter 8, August 1997	
WTR		"Template Software Workflow Simulator, Chapter 8, June 1998	
WTR		"Goal-Based Scenarios", Technical Report # 36, Northwestern University, The Institute for the Learning Sciences, December 1992, pp. 1-30	

Examiner
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WJE		"Eight Goal-Based Scenario Tools", Technical Report # 67, Northwestern University, The Institute for the Learning Sciences, January 1996, pp. 1-37	
WJE		"A Role for AI in Education: Using Technology to Reshape Education", Northwestern University, The Institute for the Learning Sciences, Journal of Artificial Intelligence in Education, Winter 1990, January 1990, pp. 1-24 and 2 pgs. of references	
WJE		"The Design of Goal-Based Scenarios", Technical Report # 39, Northwestern University, The Institute for the Learning Sciences, March 1993, pp. 1-58	

Examiner Signature	WJE Jan L	Date Considered	9/9/02
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